

Claims

1. Medicament comprising a combination of
 - at least one inhibitor of the effect of a substance negatively effecting an immune response, the substance selected from the group consisting of TGF- β and its receptors, VEGF and its receptors, interleukin 10 (IL-10) and its receptors, PGE₂ and its receptors, wherein the inhibitor has a molecular weight of less than 100 kDa and
 - at least one stimulator positively effecting an immune response.
2. The medicament of claim 1 wherein the inhibitor is inhibiting the synthesis or function of molecules suppressing or downregulating or negatively affecting the immune response.
3. The medicament of claim 1 wherein the inhibitor is an oligonucleotide.
4. The medicament according to claim 3 wherein the oligonucleotide is an antisense nucleotide and/or a ribozyme.
5. The medicament according to claim 3 wherein the oligonucleotides has a sequence according to figure 1.
6. The medicament according to claim 1, wherein the inhibitor is a fab-fragment or single chain antibody (scFv).
7. The medicament according to claim 1, wherein the stimulator is enhancing the synthesis or function of molecules stimulating, enhancing, upregulating and/or positively regulating the immune response.

8. The medicament according to claim 7, wherein the stimulator is stimulating and/or enhancing the synthesis and/or the function of factors such as GM-CSF, SCF, CSF, IFN, FLT-3-ligand, monocyte chemotatic proteins (MCP-1), interleukin-2, interleukin-4, interleukin-12 and/or interleukin-18 or is one of the mentioned interleukins or is selected from the groups consisting of viruses, viral antigens, antigens expressed in tumor cells or pathogens, but not in normal cells, organ specific antigens expressed in affected organs which are not essential for the organism or fusion cell of dendritic and tumor cells.
9. The medicament according to claim 1, wherein the medicament comprises two or more of the inhibitors and/or the stimulators.
10. An oligonucleotide having one of the sequences of figures 1-2 to 1-4 (No. 55 - 213).
11. The oligonucleotide according to claim 10 wherein each oligonucleotide is effective against expression of at least two of TGF- β_1 , TGF- β_2 and/or TGF- β_3 having the sequence.
12. A method of treating neoplasm or infectious diseases by administering a medicament according to claim 1 to a patient in need thereof.
13. A method according to claim 12 for the treatment of hyperproliferative diseases, leukemia, non-hodgkin lymphoma, hodgkin lymphoma, bronchial carcinoma, esophageal carcinoma, colorectal carcinoma, gastric carcinomas, intestinal tumors, hepatic tumors, gall bladder and gallduct carcinomas, pancreatic carcinoma, anal carcinoma, mastocarcinoma, ovarian carcinoma, cervial carcinoma, endometrium carcinoma, prostatic carcinoma, bladder carcinoma, malignant melanoma, brain tumors, and/or sarcomas.